

ABSTRACT

A tablet including active substance affected by lubricant, wherein the tablet is comprised of compressed mixture of active substance and adjuvant except for lubricant, and lubricant exists only on the surface of the tablet but is not included in the tablet. 5

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Such a tablet production method comprising the steps of producing mixture of active substance affected by lubricant and adjuvant, mixing lubricant powder with positive pulsating vibration air for dispersion, spraying the lubricant powder dispersed by the positive vibration air on a lower surface of an upper punch, an upper surface of a lower punch and an inner circumferential wall of a die, and tableting the mixture by means of the upper and lower punches and the die.



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(21) 国際出願番号 PCT/JP99/05463 (22) 国際出願日 1999年10月5日(05.10.99) (30) 優先権データ 特願平10/285410 1998年10月7日(07.10.98) JP (71) 出願人 (米国を除くすべての指定国について) 協和醗酵工業株式会社 (KYOWA HAKKO KOGYO CO., LTD.)[JP/JP] 〒100-8185 東京都千代田区大手町一丁目6番1号 Tokyo, (JP) (72) 発明者 ; および (75) 発明者 / 出願人 (米国についてのみ) 渡邊 靖(WATANABE, Yasushi)[JP/JP] 森本 清(MORIMOTO, Kiyoshi)[JP/JP] 岩瀬雄司(IWASE, Yuji)[JP/JP] 〒411-8731 静岡県駿東郡長泉町下土狩1188 協和醗酵工業株式会社 富士工場内 Shizuoka, (JP) (74) 代理人 弁理士 中井宏行(NAKAI, Hiroyuki) 〒665-0845 兵庫県宝塚市栄町2丁目2番1号 ソリオ3 2階 Hyogo, (JP)		(81) 指定国 AU, BG, BR, CA, CN, CZ, HU, ID, IL, IN, JP, KR, MX, NO, NZ, PL, RO, SG, SI, SK, UA, US, VN, ZA, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM) 添付公開書類 国際調査報告書
(54)Title: <u>TABLETS AND PROCESS FOR PRODUCING TABLETS</u> (54)発明の名称 錠剤、及び錠剤の製造方法 (57) Abstract Tablets containing a drug affected in contact with a lubricating agent, wherein the tablets contain no lubricating agent in it, the inner structure of the tablets comprises a compressed mixture of the drug with a filler, and a lubricating agent is located on the tablet surface. A process for producing tablets which involves the step of mixing a drug affected in contact with a lubricating agent with a filler to give a mixture; the step of mixing a lubricating agent powder and dispersing with air-pulsating wave under positive pressure; the step of spraying the lubricating agent powder, which has been dispersed by the above air-pulsating wave under positive pressure, onto the bottom face of the upper pestle, the top face of the lower pestle and the side face of the mortar of a tableting machine so as to coat the bottom face of the upper pestle, the top face of the lower pestle and the side face of the mortar with the powder; and the step of compression-molding the above mixture by using the pestles and mortar coated at each surface with the lubricating agent.		